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(54) NONAQUEOUS SECONDARY BATTERY

(57) Abstract:

PURPOSE: To improve the charge/discharge cycle characteristic by using a positive electrode having a mixture of manganese dioxide containing Li_2MnO_3 and a specific manganese oxide as an active material.

CONSTITUTION: A mixture of manganese dioxide containing Li_2MnO_3 and manganese oxide containing Li and having peaks near $2\theta = 22^\circ, 31.5^\circ, 42^\circ$ and

55° in the X-ray refraction diagram by the CuK α line is used for a positive electrode active material. A nonaqueous secondary battery with the excellent charge/discharge cycle characteristic at either the shallow depth or the deep depth can be obtained. It is applicable not only to the nonaqueous electrolyte secondary battery but also to a solid electrolyte secondary battery.

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